

PATENT ABSTRACTS OF JAPAN

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(54) COMPOSITION FOR SOFTENING AND DISSOLVING DENTAL CALCULUS

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a composition for softening and dissolving dental calculi capable of softening or dissolving only the dental calculi without substantially dissolving a tooth hard tissue (an enamel, a dentinal mineral or a cement) and facilitating the removal of the dental calculi (scaling).

SOLUTION: This composition for softening or dissolving dental calculi at pH 3-6.5 comprises calcium ions, orthophosphate ions, fluoride ions and a substance having a buffering ability within an acidic region, respectively. The composition is unsaturated for any one or more of hydroxyapatite, calcium quaternary phosphate, calcium tertiary phosphate and calcium secondary phosphate and supersaturated for both of fluoroapatite and calcium fluoride.

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